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## IN THE CLAIMS

1. (Currently Amended) A material for forming copper undercoat films, characterized by comprising [[the]] a compound represented by the general formula (1) below:

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General formula (I)

$$(R_1R_2)P^-(R)n^-Si^-(X_1X_2X_3)$$
  $(R_1R_2)P^-(R)n^-Si^-(X_1X_2X_3)$ 

(In-general formula 1, wherein at least one of  $X_1$ ,  $X_2$  and  $X_3$  is a hydrolytic group,  $R_1$  and  $R_2$  are alkyl groups,  $R_1$  denotes a chain-form organic group formed from alkyl groups, aromatic rings or alkyl groups containing aromatic rings, and  $R_2$  are alkyl groups containing aromatic rings, and  $R_3$  is a hydrolytic group,  $R_1$  and  $R_2$  are alkyl groups.

2. (Currently Amended) A material for forming copper undercoat films, characterized by comprising a compound represented by the general formula (1) below:

General-formula (I)

$$(R_1R_2)P-(R)n-Si(X_1X_2X_3)$$

(In general formula 1, wherein at least one of  $X_1$ ,  $X_2$  and  $X_3$  is selected from a group comprising halogens, alkoxide groups, amino groups and isocyanate groups,  $R_1$  and  $R_2$  are alkyl groups with carbon numbers of 1-21, R has a carbon number of 1-50, and denotes a chain-form organic group formed from alkyl groups, aromatic rings or alkyl groups containing aromatic rings, and n is an integer from 1 to 6.[[)]

3. (Currently Amended) The material for forming copper undercoat films according to claim 1 or 2, characterized by being a material for forming copper undercoat films by virtue of the bonding of  $(R_1R_2)P$ -(R)n-Si groups to a substrate via Si-O bonding, and by comprising a solvent and by the compound represented by the general formula [[(I)]].

- 4. (Currently Amended) The material for forming copper undercoat films according to claim 1, any of claims 1–3, characterized in that the compound represented by the general formula [[(I)]] is one or more substances selected from the group[[:]] consisting of: 1-dimethylphosphino-2-triethoxysilylethane, 1-diethylphosphino-2-triethoxysilylethane, 1-diphenylphosphino-2-trimethoxysilylethane, 1-diethylphosphino-2-trimethoxysilylethane, 1-diethylphosphino-2-trimethoxysilylethane, 1-dimethylphosphino-3-triethoxysilylpropane, 1-diethylphosphino-3-triethoxysilylpropane, 1-diphenylphosphino-2-trichlorosilylethane, 1-diphenylphosphino-2-trichlorosilylethane, 1-diphenylphosphino-2-triidly
- 5. (Currently Amended) The material for forming copper undercoat films according to claim 1, any of claims 1-4, characterized in that the material for forming copper undercoat films is brought into contact with a substrate surface, thus forming a copper undercoat film.
- 6. (Currently Amended) The material for forming copper undercoat films according to  $\frac{\text{claim 5, any of claims-1-5,}}{\text{claim 5, any of claims-1-5,}}$  wherein the undercoat film is produced by the bonding of  $(R_1R_2)P$ - $(R)_n$ -Si groups to the substrate via Si-O bonding, and  $\frac{\text{wherein said-undercoat film is [designed so that]}}{\text{the reaction between [[the]] -Si(X_1X_2X_3)}}$  groups and -OH groups at the substrate surface occurs in liquid phase.
- 7. (Currently Amended) The material for forming copper undercoat films according to  $\frac{\text{claim 5, any of claims 1-5,}}{\text{claim 5, any of claims 1-5,}}$  wherein the undercoat film is produced by the bonding of  $(R_1R_2)P$ - $(R)_n$ -Si groups to the substrate via Si-0 bonding, and  $\frac{\text{wherein said undercoat film is [designed so that]}}{\text{the reaction between [[the]] -Si }(X_1X_2X_3)$  groups and -OH groups at the substrate surface occurs in gas phase.

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8. (Currently Amended) The material for forming copper undercoat films according to any of claims 1-5, claim 5, wherein the undercoat film is produced by the bonding of  $(R_1R_2)$ - $(R)_n$ -Si groups to the substrate via Si-O bonding, and wherein said undercoat film is [designed so that] the reaction between [[the]] -Si( $X_1X_2X_3$ ) groups and -OH groups at the substrate surface occurs in a supercritical liquid.

- 9. (Currently Amended) The material for forming copper undercoat films according to any of claims 1-8, claim 5, characterized in that the reaction between [[the]] -Si(X<sub>1</sub>X<sub>2</sub>X<sub>3</sub>) groups and -OH groups at the substrate surface is carried out under the condition of room temperature to 450 °C.
- 10. (New) The material for forming copper undercoat films according to claim 2, characterized by the bonding of  $(R_1R_2)P$ -(R)n-Si groups to a substrate via Si-O bonding, by a solvent and by the compound represented by the general formula.
- 11. (New) The material for forming copper undercoat films according to claim 2, characterized in that the compound represented by the general formula is selected from the group consisting of: 1-dimethylphosphino-2-triethoxysilylethane, 1-diethylphosphino-2-triethoxysilylethane, 1-dimethylphosphino-2-trimethoxysilylethane, 1-dimethylphosphino-2-trimethoxysilylethane, 1-diethylphosphino-2-trimethoxysilylethane, 1-diethylphosphino-3-triethoxysilylpropane, 1-diethylphosphino-3-triethoxysilylpropane, 1-diphenylphosphino-2-trichlorosilylethane, 1-diphenylphosphino-2-trichlorosilylethane, 1-diphenylphosphino-2-trisdimethylaminosilylethane, 1-diphenylphosphino-2-triisocyanatosilylethane and 1-diphenylphosphino-4-triethoxysilylethylbenzene.
  - 12. (New) The material for forming copper undercoat films according to claim 2, characterized in that the material for forming copper undercoat films is brought into contact with a substrate surface, thus forming a copper undercoat film.

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- 13. (New) The material for forming copper undercoat films according to claim 12, wherein the undercoat film is produced by the bonding of  $(R_1R_2)P$ - $(R)_n$ -Si groups to the substrate via Si-O bonding, and wherein the reaction between -Si $(X_1X_2X_3)$  groups and -OH groups at the substrate surface occurs in liquid phase.
- 14. (New) The material for forming copper undercoat films according to claim 12, wherein the undercoat film is produced by the bonding of  $(R_1R_2)P-(R)_n$ -Si groups to the substrate via Si-0 bonding, and wherein the reaction between–Si  $(X_1X_2X_3)$  groups and -OH groups at the substrate surface occurs in gas phase.
- 15. (New) The material for forming copper undercoat films according to claim 12, wherein the undercoat film is produced by the bonding of  $(R_1R_2)$ - $(R)_n$ -Si groups to the substrate via Si-O bonding, and wherein the reaction between -Si( $X_1X_2X_3$ ) groups and -OH groups at the substrate surface occurs in a supercritical liquid.
- 16. (New) The material for forming copper undercoat films according to claim 12, characterized in that the reaction between  $-\mathrm{Si}(X_1X_2X_3)$  groups and -OH groups at the substrate surface is carried out under the condition of room temperature to 450 °C.